

# California Forest Pest Conditions 2013



A publication of the  
California Forest Pest Council

## California Forest Pest Conditions Report – 2013

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Management

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Protection

# Drought



- Multiple Species Affected – especially oaks and gray pine
  - 2013 the worst drought year in state history



# Oak Early Leaf Drop



# Gray Pine Decline



- Cause Unknown
- Likely bark Beetles, Mistletoe, Root Rot and Especially Drought Related Combined



# Gray Pine Decline



- Found throughout the Southern Sierra Foothills, the Central Coast and Around Clear Lake in Lake County

# Introduced Diseases: White Pine Blister Rust



First Buildup of  
Spores on  
Alternate Host in  
Years



# Maple Leaf Scorch



Thought to be Caused by a Xylem Inhabiting Bacterium  
Intensifying Around the State

# Sudden Oak Death



- New Outbreaks near Fort Bragg and throughout the range
- Still none in Del Norte County
- Outbreaks near Six Rivers National Forest and in Trinity County



# Invasive Weeds



Goatsrue



Mayten Tree



Shiny  
Geranium

# Insects

- Western Pine Beetle



- Douglas Fir Tussock Moth





# Goldspotted Oak Borer



# European Gypsy Moth



Possible  
infestation  
in Butte  
County



Gypsy Moth Trap on a Tree



# Balsam Woolly Adelgid



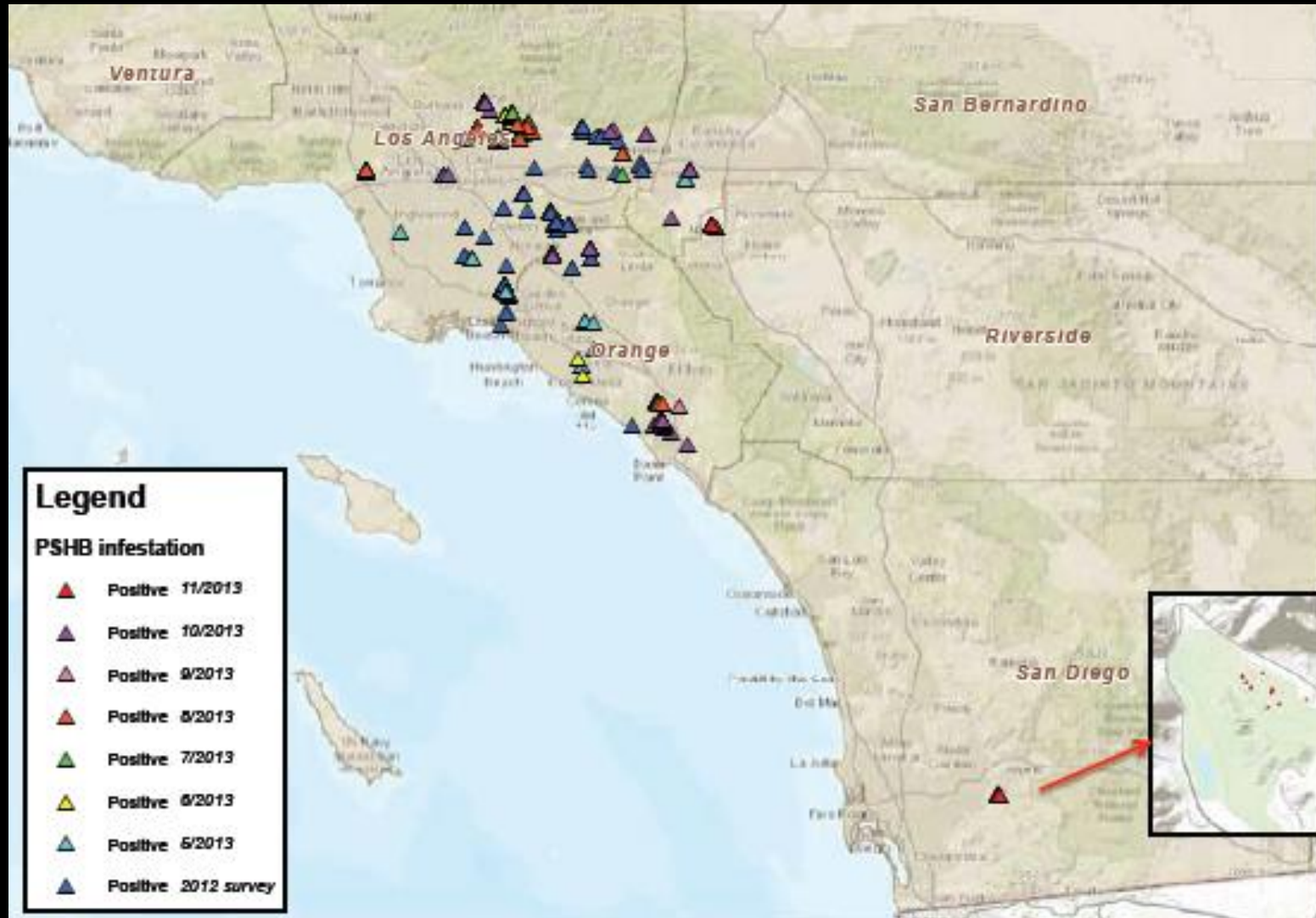
Continuing  
Problem on the  
North Coast

# Polyphagous Shot Hole Borer/Fusarium Complex

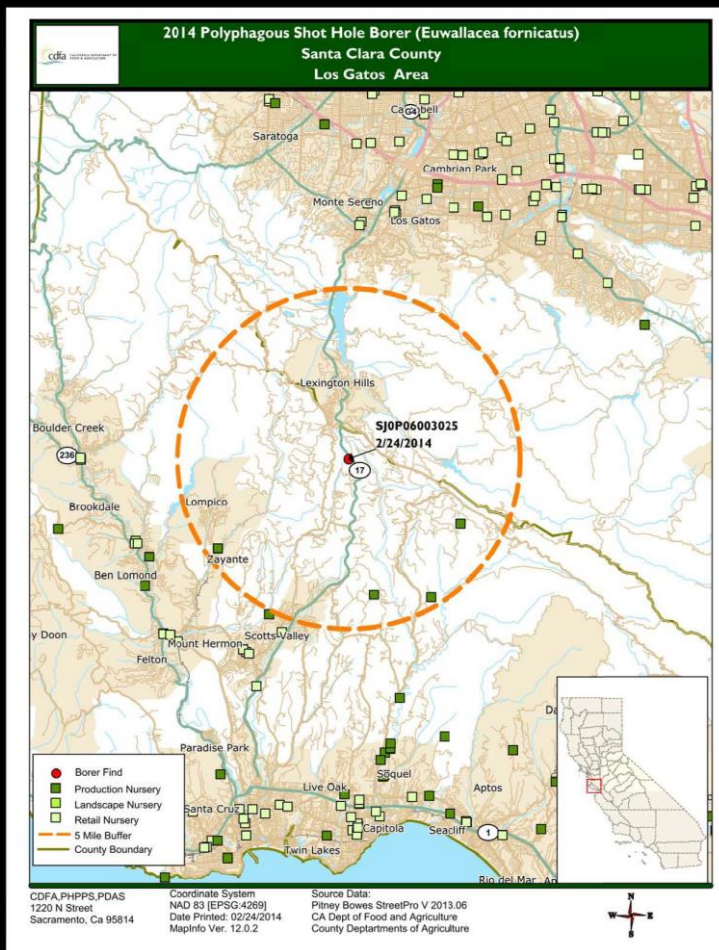




# Polyphagous Shot Hole Borer



# Polyphagous Shot Hole Borer



- Potential new site found in northern California in the San Lorenzo Valley area in Santa Cruz County
- This information is new as of last yesterday
- Surveys and collections in the area will begin tomorrow



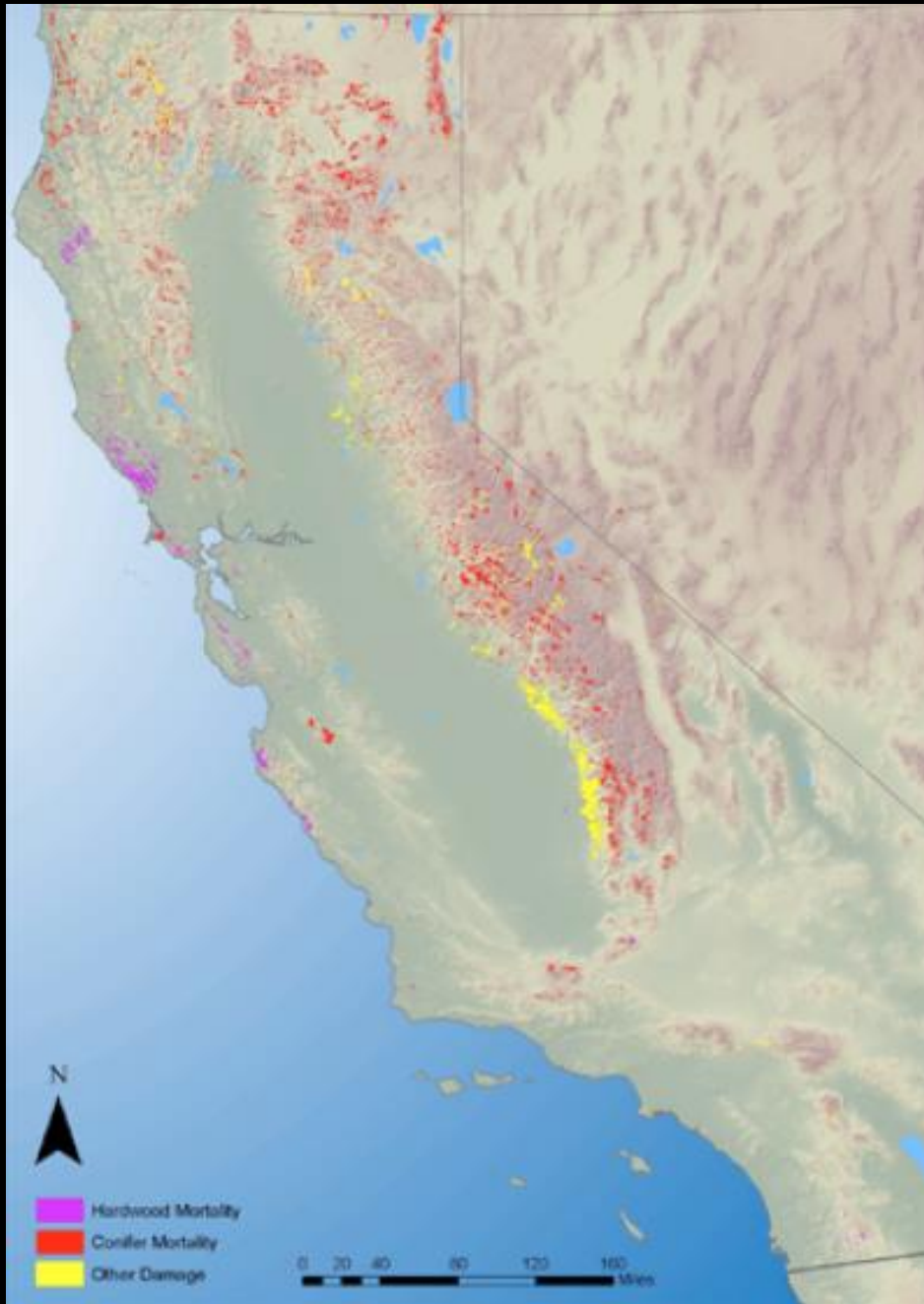
# Risk Map

- National Map showing areas of high risk (>25%) mortality in the next 10 years.
- Updated in 2012 and finally out in 2013.
- Tested and models developed by numerous people nationwide.



# Aerial Survey

- Mortality lower than 2012
- 483,000 acres of elevated mortality over 48.5 million acres including over 1.5 million dead trees
- Most mortality due to bark beetles, SOD and defoliators





# Questions?



[www.fs.usda.gov/detail/r5/forest-grasslandhealth/?cid=fsbdev3\\_046704](http://www.fs.usda.gov/detail/r5/forest-grasslandhealth/?cid=fsbdev3_046704)